	Application No.	Applicant(s)	
Notice of Allowability	09/885,232	CHEN, LINLIN	
	Examiner	Art Unit	
	Wesley A. Nicolas	1742	
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this app or other appropriate communication GHTS. This application is subject to	olication. If not included will be mailed in due cours	se. THIS
 This communication is responsive to <u>5/5/04</u>. 			
2. ☑ The allowed claim(s) is/are <u>60-86</u> .			
3. $igotimes$ The drawings filed on 20 June 2001 are accepted by the Ex	kaminer.		
4.	been received. been received in Application No cuments have been received in this report this communication to file a reply of this communication to file a reply of this communication. Ited. Note the attached EXAMINER's reason(s) why the oath or declarate the submitted. It is submitted. Amendment / Comment or in the Office of the oath oath of the oath oath oath oath oath oath oath oath	national stage application for complying with the requirer S AMENDMENT or NOTIC tion is deficient. 948) attached ffice action of gs in the front (not the back to be submitted. Note to submitted.	ments E OF
Attachment(s) . Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO-1449 or PTO/SB/08 Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview Summary (Paper No./Mail Date	e nent/Comment	

DETAILED ACTION

This is in response to the Amendment submitted May 5, 2004. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claims 60-86 are currently pending in this application.

Specification 1 4 1

1. The objection to the title as set forth in the previous Office action has been withdrawn in view of the amendment submitted by Applicant on May 5, 2004.

Claim Objections

2. The objection to claim 85 as set forth in the previous Office action has been withdrawn in view of the amendment submitted by Applicant on May 5, 2004.

Claim Rejections - 35 USC § 103

3. The 35 U.S.C. § 103 rejections as set forth in the previous Office action have been **withdrawn** in view of the convincing arguments set forth by Applicant in the paper submitted May 5, 2004.

Allowable Subject Matter

- 4. Claims 60-86 are allowed over the prior art of record.
- 5. The following is an examiner's statement of reasons for allowance:

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Regarding claim 60, the specific process for applying a metal structure which includes providing a first electroplating bath including boric acid, and a metal ion complexing agent, and applying a current density of between 1.0 mA/cm² and 5.0 mA/cm² was not taught or suggested by the prior art of record. Additionally, the reasons for allowance submitted by Applicant in the paper submitted May 5, 2004 is further deemed sufficient and is incorporated herein.

Regarding claims 82, the specific the specific process for applying a metal structure which includes providing a first electroplating bath which includes a metal ion complexing agent and an alkaline agent in an amount sufficient to adjust the pH of the bath to at least 9.0, and applying a current density of between 1.0 mA/cm² and 5.0 mA/cm² was not taught or suggested by the prior art of record. Additionally, the reasons for allowance submitted by Applicant in the paper submitted May 5, 2004 is further deemed sufficient and is incorporated herein.

Regarding claim 83, the specific the specific process for applying a metal structure which includes providing a first electroplating bath including boric acid and a metal ion complexing agent and applying electroplating power between the at least one surface of the workpiece and an electrode disposed in electrical contact with the first electroplating bath wherein power is applied in periodic pulses at a current density of between 1.0 mA/cm² and 5.0 mA/cm² was not taught or suggested by the prior art of record. Additionally, the reasons for allowance submitted by Applicant in the paper submitted May 5, 2004 is further deemed sufficient and is incorporated herein.

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Regarding claims 86, the specific the specific process for applying a metal structure which includes providing a first electroplating bath which includes an alkaline agent in an amount sufficient to adjust the pH of the bath to at least 9.0, and applying a current density of between 1.0 mA/cm² and 5.0 mA/cm² was not taught or suggested by the prior art of record. Additionally, the reasons for allowance submitted by Applicant in the paper submitted May 5, 2004 is further deemed sufficient and is incorporated herein.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Wesley Nicolas whose telephone number is (571) 272-1247. The examiner can normally be reached on Mon.-Thurs. from 7 AM to 5 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Roy King, can be reached at (571) 272-1244. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Wesley A. Nicolas Primary Examiner

June 14, 2004